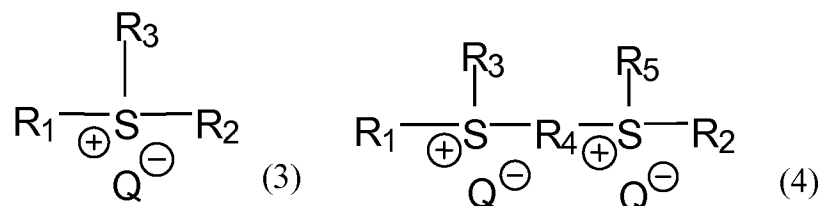
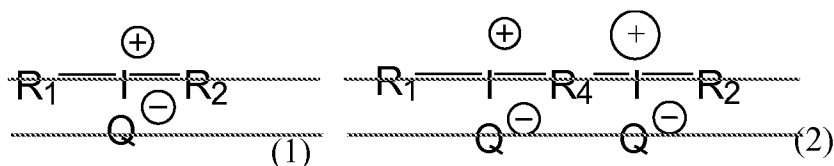


Amendments to the Claims

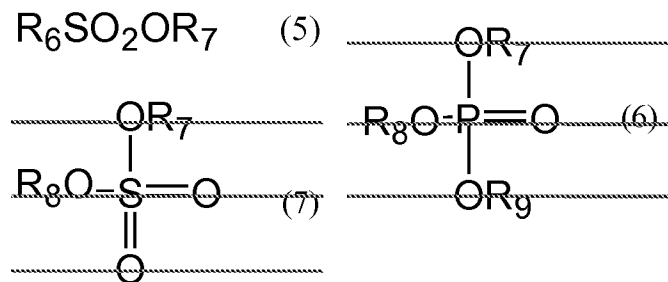
This is a complete listing of claims and supersedes all other listings:

1. (currently amended) A method for producing an onium salt derivative, characterized by comprising reacting an onium salt which has a halide Q as an anion moiety and which is represented by any one of formulas (3) or (4) ~~(1) through (4)~~:



wherein each of R₁, R₂, R₃, and R₅ represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, an aromatic organic group, an aralkyl group, or a phenacyl group, each of these groups having ≤25 carbon atoms and being optionally substituted; one or both of the pairs of R₁ and R₃, and R₂ and R₅ may together form a divalent organic group; R₄ represents a C≤20 divalent organic group; and Q represents a halide anion,

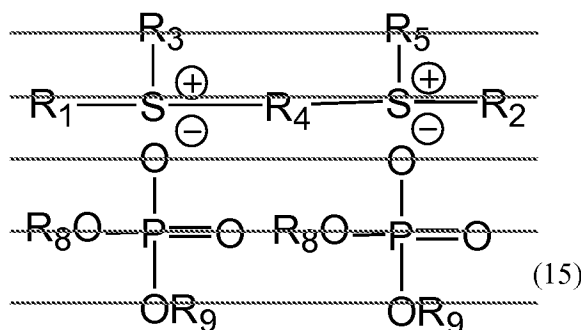
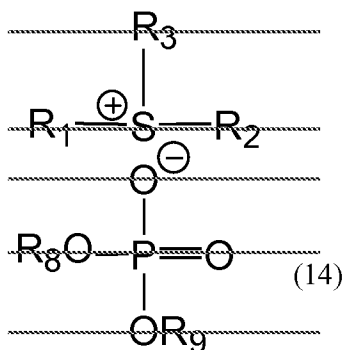
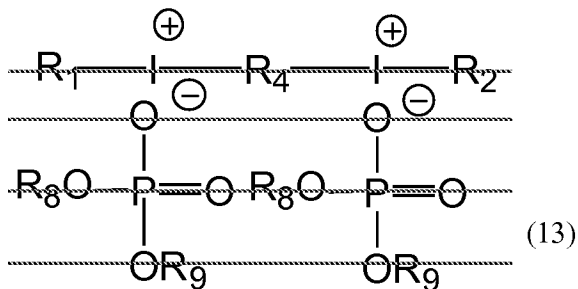
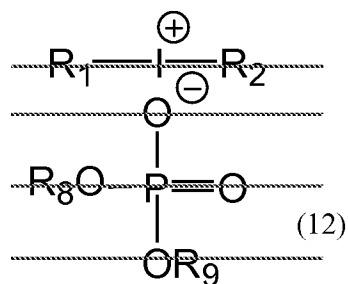
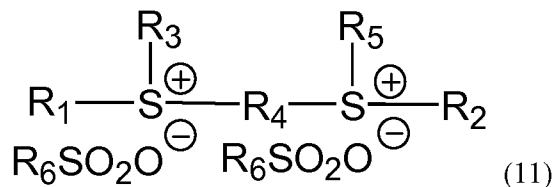
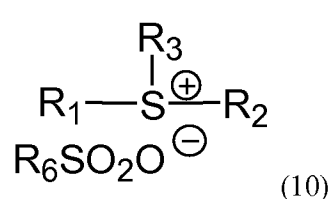
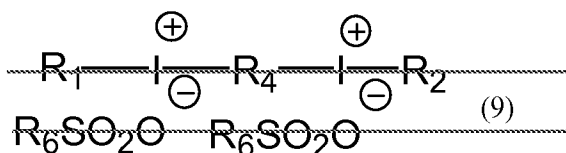
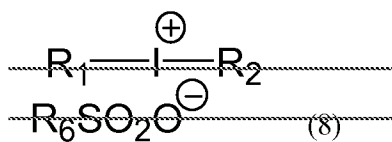
with an ester compound which has an alkyl group R₇ and which is represented by ~~any one~~ of formulas formula (5) through (7):

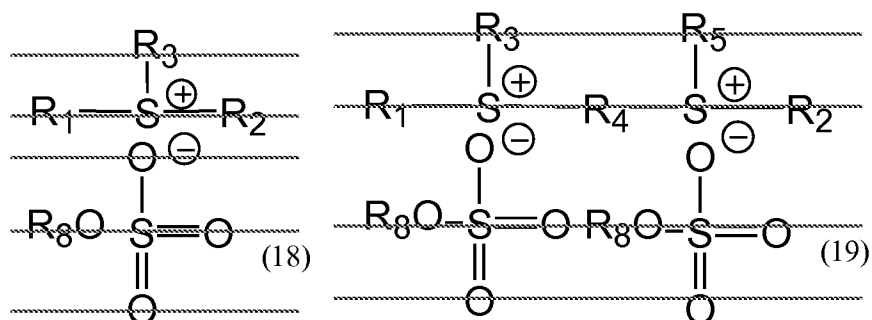
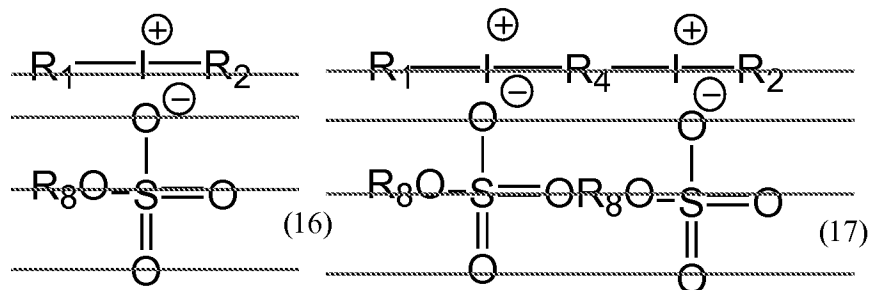


wherein R₆ represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, an aromatic organic group, or an aralkyl group, each of these groups having ≤25 carbon atoms and being

optionally substituted; R₇ represents an alkyl group, having ≤5 carbon atoms and being optionally substituted; and each of R₈ and R₉ represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, or an aralkyl group, each of these groups having ≤10 carbon atoms and being optionally substituted,

to thereby form R₇Q through nucleophilic attack by the halide Q on the alkyl group R₇ of the ester compound ~~compound~~, and to also produce an onium salt derivative which is formed of an anion represented by ~~any one of~~ R₆SO₂O⁻, PO₄R₈R₉⁻, and R₈SO₄⁻ derived from the ester compound and an onium cation derived from the onium salt, an onium salt derivative represented by ~~one of~~ formulas (10) or (11) (8) through (19).





2. (canceled)

3. (original) A method for producing an onium salt derivative according to claim 1, wherein reaction is carried out while removing generated R_7Q from the reaction system.

4. (previously amended) A method for producing an onium salt derivative according to claim 1 or 3, wherein the reaction is carried out in a solvent.

5. (canceled)

6. (canceled)

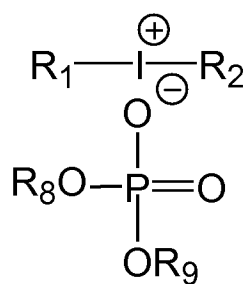
7. (canceled)

8. (canceled)

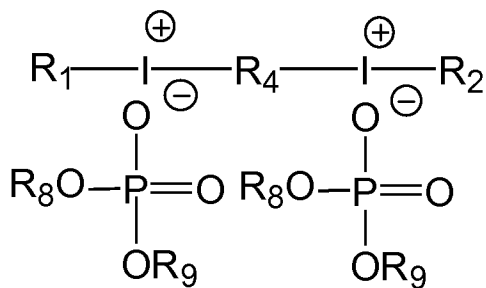
9. (canceled)

10. (canceled)

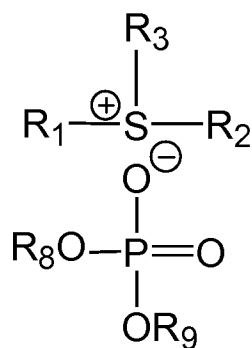
11. (Withdrawn) An onium compound which has a phosphate derivative as an anion moiety and which is represented by any one of formulas (12) through (15):



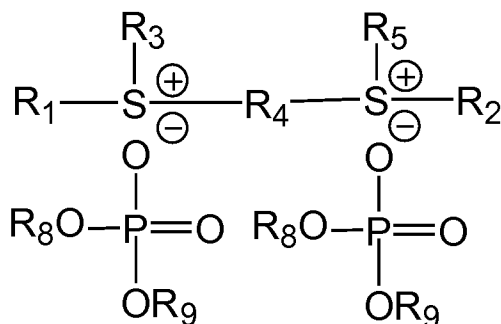
(12)



(13)



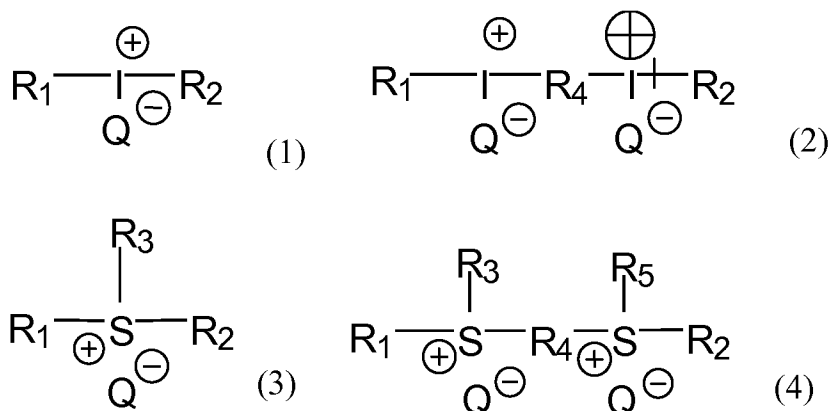
(14)



(15)

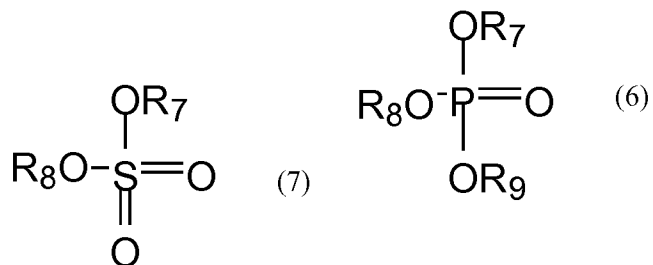
wherein each of R₁, R₂, R₃, and R₅ represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, an aromatic organic group, an aralkyl group, or a phenacyl group, each of these groups having ≤25 carbon atoms and being optionally substituted; one or both of the pairs of R₁ and R₃, and R₂ and R₅ may together form a divalent organic group; R₄ represents a C≤20 divalent organic group; and each of R₈ and R₉ represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, or an aralkyl group, each of these groups having ≤10 carbon atoms and being optionally substituted.

12. (withdrawn) A method for producing an onium salt derivative, characterized by comprising reacting an onium salt which has a halide Q as an anion moiety and which is represented by any one of the following formulas (1) through (4):



wherein each of R₁, R₂, R₃, and R₅ represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, an aromatic organic group, an aralkyl group, or a phenacyl group, each of these groups having ≤25 carbon atoms and being optionally substituted; one or both of the pairs of R₁ and R₃, and R₂ and R₅ may together form a divalent organic group; R₄ represents a C≤20 divalent organic group; and Q represents a halide anion,

with an ester compound which has an alkyl group R₇ and which is represented by any one of formulas (6) or (7):



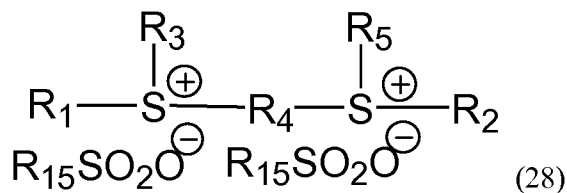
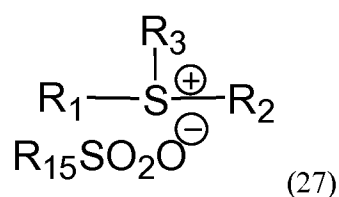
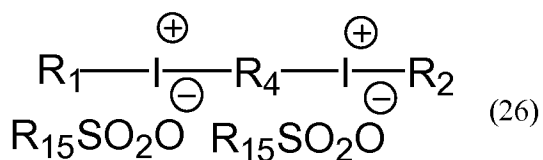
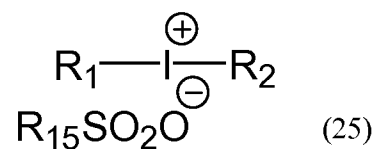
wherein R₇ represents an alkyl group, having ≤5 carbon atoms and being optionally substituted; and each of R₈, and R₉ represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, or an aralkyl group, each of these groups having ≤10 carbon atoms and being optionally substituted;

to thereby form R₇Q through nucleophilic attack by the halide Q on the alkyl group R₇ of the ester compound, and to also produce an onium salt derivative which is formed of an anion represented by PO₄R₈R₉⁻ or R₈SO₄⁻ derived from the ester compound and an onium cation derived from the onium salt; and reacting the onium salt derivative with a sulfonic acid derivative represented by formula (24):



wherein R_{15} represents an alkyl group, a cycloalkyl group, a perfluoroalkyl group, an aromatic organic group, or an aralkyl group, each of these groups having ≤ 25 carbon atoms and being optionally substituted; and Y represents a hydrogen atom, an alkali metal, or ammonium,

to thereby cause salt exchange and yield an onium salt derivative represented by one of formulas (25) through (28).



13. (withdrawn) A method for producing an onium salt derivative according to claim 12, wherein each of R_7 , R_8 and R_9 is a methyl group or an ethyl group.